

ITEM NO.	DESCRIPTION	UNIT	QUANT.
904-02.13	Signal Head, Type 3S	Ea.	2
904-02.34	Signal Head, Type 34S	Ea.	2
904-05.43	Signal Head, Type 3B, Terminal Compartment, and Astro Bracket	Ea.	6
904-05.44	Mounting Signal Hood, Type AB, Terminal Compartment, and Astro Bracket	Ea.	2
904-05.44	Signal Head, Type 4B, Terminal Compartment, and Astro Bracket Mounting	Eu.	<u> </u>
904-24.01	Signal Head, Type 1S, Pedestrian	Ea.	8
904 - 28.07	Post, Signal, w/Sq. Pedestal Base and Post Cap, 7' Maximum Total	Ea.	4
30+ 20.07	Height, Aluminum		T
904-29.14	Post, Extension, 4-1/2" O.D. x 14', Aluminum, w/Mounting Hardware	Ea.	1
	and Post Cap		
904-32.14	19' Pole, w/14' Mast Arm, Steel	Ea.	1
904-32.16	19' Pole, w/16' Mast Arm, Steel	Ea.	1
904-32.34	19' Pole, w/34' Mast Arm, Steel	Ea.	2
904-43.88	Controller, Fully Actuated, (8 Phase Timer, in Aluminum Cabinet Approx.	Ea.	1
	55"H x 44"W x 26"D, Wired for 8 Phase Operation) w/Internal Fiber Optic		
	Modem and Termination Housing TS2, Type 2, w/Battery Backup		
904-49.22	Detector, Pedestrian Push Button, APS, Freezeproof	Ea.	8
904-49.35	Detector, Vehicle Induction Loop, Card Rack Mtg., 2 Channel,	Ea.	6
	w/Delay and Extension Timing and Relay Outputs		
904-49.51	Pan Tilt Zoom (PTZ) Internet Protocol Video Surveillance Camera	Ea.	1
	System (Camera w/Bracket, Managed Ethernet Switch and		
	Misc. Cables)		
904-49.52	Software License, PTZ Camera	Ea.	1
904-51.00	Conduit,1"	L.F.	80
904-52.00	Conduit, 2"	L.F.	801
904-54.00	Conduit, 4"	L.F.	345
904-82.06	Cable, Power, *6 Gauge, 1 Conductor	L.F.	170
904-83.05	Cable, Signal, *14 Gauge, 5 Conductor	L.F.	690
904-83.07	Cable, Signal, *14 Gauge, 7 Conductor	L.F.	2,700
904-84.00	Wire, Stranded Ground, *6 Gauge	L.F.	160
904-85.05	Cable, Detector Loop, *14 Gauge, 1 Conductor, w/Tube Jacket	L.F.	260
	(In Conduit and Pull Boxes)		
904-85.06	Cable, Detector Loop, •14 Gauge, 1 Conductor, w/Tube Jacket	L.F.	3,240
	(In Sawed Slot)		
904-85.18	Cable, Push Button and/or Detector Loop Lead-In,	L.F.	4,280
	*18 Gauge, 2 Conductor (Shielded)		
904-85.34	Cable, Communication, *18 Gauge, 4 Conductor (APS)	L.F.	200
904-85.36	Cable, Communication, Fiber Optic, 36 Fibers (30 Single-Mode	L.F.	1,080
004 05 04	and 6 Multi-Mode)		070
904-85.81	Cable, Communication, Power, PTZ Camera, Video Detection Camera,	L.F.	270
004 96 01	*24 Gauge, 4 Pair (Shielded)	۲.	
904-86.01	Power Supply Assembly, on Wood Utility Pole, 120/240 Volt	Ea.	3
004 00 04	Pull Box, Single, Concrete	Ea.	2
904-88.01	Pull Roy Double Concrete	Ea.	
904-88.02	Pull Box, Double, Concrete Preformed Pull Box (17"W x 30"L x 26"Min H) Reinforced Polymer	Fa	,
	Preformed Pull Box, (17"W x 30"L x 26"Min. H) Reinforced Polymer	Ea.	1
904-88.02	Preformed Pull Box, (17"W x 30"L x 26"Min. H) Reinforced Polymer Concrete		
904-88.02	Preformed Pull Box, (17"W x 30"L x 26"Min. H) Reinforced Polymer Concrete Preformed Pull Box, (17"W x 30"L x 26"Min. H) Reinforced Polymer	Ea.	1
904-88.02 904-89.17 904-90.17	Preformed Pull Box, (17"W x 30"L x 26"Min. H) Reinforced Polymer Concrete Preformed Pull Box, (17"W x 30"L x 26"Min. H) Reinforced Polymer Concrete w/1' Concrete Apron	Ea.	1
904-88.02 904-89.17 904-90.17 904-91.43	Preformed Pull Box, (17"W x 30"L x 26"Min. H) Reinforced Polymer Concrete Preformed Pull Box, (17"W x 30"L x 26"Min. H) Reinforced Polymer Concrete w/1' Concrete Apron Base, Type P-3, Concrete	Ea.	1 4
904-88.02 904-89.17 904-90.17 904-91.43 904-91.56	Preformed Pull Box, (17"W x 30"L x 26"Min. H) Reinforced Polymer Concrete Preformed Pull Box, (17"W x 30"L x 26"Min. H) Reinforced Polymer Concrete w/1' Concrete Apron Base, Type P-3, Concrete Base, Type B-6, Concrete	Ea. Ea.	1 4 2
904-88.02 904-89.17 904-90.17 904-91.43 904-91.56 904-91.57	Preformed Pull Box, (17"W x 30"L x 26"Min. H) Reinforced Polymer Concrete Preformed Pull Box, (17"W x 30"L x 26"Min. H) Reinforced Polymer Concrete w/1' Concrete Apron Base, Type P-3, Concrete Base, Type B-6, Concrete Base, Type B-7, Concrete	Ea. Ea. Ea.	1 4 2 2
904-88.02 904-89.17 904-90.17 904-91.43 904-91.56 904-91.57 904-91.88	Preformed Pull Box, (17"W x 30"L x 26"Min. H) Reinforced Polymer Concrete Preformed Pull Box, (17"W x 30"L x 26"Min. H) Reinforced Polymer Concrete w/1' Concrete Apron Base, Type P-3, Concrete Base, Type B-6, Concrete Base, Type B-7, Concrete Base, Type D-8PH, Concrete	Ea. Ea. Ea. Ea.	1 4 2 2
904-88.02 904-89.17 904-90.17 904-91.43 904-91.56 904-91.57 904-91.88 904-95.30	Preformed Pull Box, (17"W x 30"L x 26"Min. H) Reinforced Polymer Concrete Preformed Pull Box, (17"W x 30"L x 26"Min. H) Reinforced Polymer Concrete w/1' Concrete Apron Base, Type P-3, Concrete Base, Type B-6, Concrete Base, Type B-7, Concrete Base, Type D-8PH, Concrete Removal of Preformed Pull Box	Ea. Ea. Ea. Ea. Ea.	1 4 2 2 1 2
904-88.02 904-89.17 904-90.17 904-91.43 904-91.56 904-91.57 904-91.88	Preformed Pull Box, (17"W x 30"L x 26"Min. H) Reinforced Polymer Concrete Preformed Pull Box, (17"W x 30"L x 26"Min. H) Reinforced Polymer Concrete w/1' Concrete Apron Base, Type P-3, Concrete Base, Type B-6, Concrete Base, Type B-7, Concrete Base, Type D-8PH, Concrete	Ea. Ea. Ea. Ea.	1 4 2 2

PULL BOX SCHEDULE							
		BOX TYPE			LOCATION		
BOX NUMBER	CONCRETE	REINFORCED PLASTIC MORTAR	REINFORCED PLASTIC MORTAR W/CONC.APRON	STATION	OFFSET	SIDE	
1	SINGLE			183+24.29'	35.22'	LT	
2	SINGLE			183+19.55	36.33'	RT	
3	SINGLE			182+69.92'	36.29'	RT	
4	DOUBLE			182+72.98'	50.70'	LT	
5	DOUBLE			182+37.82'	78.13'	LT	
6		(17"W×30"L×26"MIN. H)		179+09.22'	37.85'	RT	
7			(17"Wx30"Lx26"MIN. H)	186+77.31'	40.21'	LT	

^{*} St. Louis County may require stationing and offset of pull boxes to be included in the schedule as shown above.

SIGNAL BASE AND EQUIPMENT SCHEDULE						
BASE NO.	CONCRETE BASE TYPE	MAST ARM OR POST TYPE	SIGNAL EQUIPMENT TYPE	STATION	OFFSET	SIDE
1	B-6	STEEL TRAFFIC SIGNAL POLE w/16' ARM	1 - 3B w/BP (ALL 12") 1 - 34S w/BP (ALL 12") 2 - 1S PED. (APPROX. 16"x18") 1 - PUSH BUTTON	183+26.11'	45.04'	LT
<u>1a</u>	P-3	ALUMINUM SIGNAL POST w/SQUARE BASE PEDESTAL AND POST CAP (MAXIMUM TOTAL HEIGHT 7')	1 - PUSH BUTTON	183+33.88'	35.38'	LT
2	B-7	STEEL TRAFFIC SIGNAL POLE w/34'ARM & w/14'ALUMINUM POST EXTENSION	1 - 4B w/BP (ALL 12") 2 - 3B w/BP (ALL 12") 1 - 3S w/BP (ALL 12") 2 - 1S PED. (APPROX. 16"x18") 1 - PUSH BUTTON 1 - PTZ VIDEO SURVEILLANCE CAMERA	183+28.86'	35.61'	RT
20	P-3	ALUMINUM SIGNAL POST w/SQUARE BASE PEDESTAL AND POST CAP (MAXIMUM TOTAL HEIGHT 7')	1 - PUSH BUTTON	183+19.35'	46.80'	RT
3	B-6	STEEL TRAFFIC SIGNAL POLE w/14' ARM	1 - 3B w/BP (ALL 12") 1 - 34S w/BP (ALL 12") 2 - 1S PED. (APPROX. 16"x18") 1 - PUSH BUTTON	182+70.14'	47.50'	RT
30	P-3	ALUMINUM SIGNAL POST w/SQUARE BASE PEDESTAL AND POST CAP (MAXIMUM TOTAL HEIGHT 7')	1 - PUSH BUTTON	182+60.12'	35.52'	RT
4	B-7	STEEL TRAFFIC SIGNAL POLE w/34'ARM	1 - 4B w/BP (ALL 12") 2 - 3B w/BP (ALL 12") 1 - 3S w/BP (ALL 12") 2 - 1S PED. (APPROX. 16"x18") 1 - PUSH BUTTON	182+63.66'	35.49'	LT
40	P-3	ALUMINUM SIGNAL POST w/SQUARE BASE PEDESTAL AND POST CAP (MAXIMUM TOTAL HEIGHT 7')	1 - PUSH BUTTON	182+73.53'	43.92'	LT
5	D-8PH		CONTROLLER, GROUND MOUNT, ALUMINUM CABINET (APPROX. 55"Hx44"Wx26"D) w/BATTERY BACKUP	182+31.16'	71.88'	LT

* St. Louis County ma	ıy require stationing a	and offset of signal bases	to be included in the	schedule as shown above.

INDUCTION LOOP DETECTOR SCHEDULE						
LOOP NO.	SIZE AND TY STANDARD (3-TURNS)	QUADRUPOLE (2-4-2)	CARD POSITION IN RACK	CHANNEL USED		
21	6'x6'		2	Α		
(22)	6'x6'		2	В		
6 1	6'x6'		6	Α		
62	6'x6'		6	В		
41		(2) 6'x20'	4	А		
42		(2) 6'x20'	4	В		
81		(2) 6'x20'	8	Α		
82		(2) 6'x20'	8	В		
11		(2) 6'x20'	1	Α		
(51)		(2) 6'x20'	5	Α		
CARDS PROVIDED FOR FUTURE USE						
OPEN SLOTS IN CARD RACK			3,7			

ISSUE DATE 03/09/2020 REVISIONS

THIS IS NOT A CERTIFIED DOCUMENT Saint Louis
COUNTY
TRANSPORTATION
PUBLIC WORKS
1050 NORTH LINDBERGH BLVD.
ST. LOUIS, MISSOURI 63132

DESIGN CRITERIA MANUAL

EXAMPLE TRAFFIC SIGNAL PLAN

QUANTITY SHEET

EFFECTIVE 05/01/2020

SHEET 2 OF 2 DRAWING 5.7